Start and quit vi:

$vi f  Edit existing file f, or, if it does not exist, create and edit new file f.
Zz  Save text document to file and quit vi.
:q!  Quit vi without saving text document to file.

Get to the Input Mode from the Command Mode:

i  Insert text before the current character.
I  Insert text at beginning of current line.
a  Append text after the current character.
A  Append text at end of current line.
o  Open a new blank line below the current line.
O  Open a new blank line above the current line.
r  Replace a single character. Return to Command Mode automatically.
R  Replace characters until <esc> is pressed.

Get to the Command Mode from the Input Mode:

<esc>  Get to the Command Mode from the Input Mode.

Move the cursor in the Command Mode:

1  Move cursor forward one character.
<space>  Move cursor forward one character.
h  Move cursor back one character.
w  Move cursor forward one word.
3w  Move cursor forward three word.
W  Move cursor forward one blank-delimited word.
b  Move cursor back one word.
B  Move cursor back one blank-delimited word.
j  Move cursor down one character.
<ret>  Move cursor to beginning of next line.
k  Move cursor up one character.
-  Move cursor to beginning of previous line.
H  Move cursor to top of screen (home).
M  Move cursor to middle of screen.
L  Move cursor to bottom of screen.
<ctl-f>  Move cursor forward to next screen.
<ctl-b>  Move cursor back to previous screen.

The Command Mode:

u  Undo what you just did.
U  Restore the current line, even after several changes.
.  Repeat the most recent command that made a change.
x  Delete the current character.
3x  Delete the next three characters.
dd  Delete the current line.
3dd  Delete three lines starting with the current line.
dw  Delete from cursor to end of word.
vi Summary

3dw  Delete from cursor to end of third word.
dW   Delete from cursor to end of blank-delimited word.
d0   Delete from cursor to beginning of line.
D    Delete from cursor to end of current line.
cc   Change the current line.
cw   Change from cursor to end of word.
C    Change from cursor to end of current line.
J    Join the current line with the next line.

The Last Line Mode:
:    Get to the Last Line Mode from the Command Mode.
<ret> Get to the Command Mode from the Last Line Mode.
:.=  Display the current line number.
:1   Move cursor to line 1.
:24  Move cursor to line 24.
:$   Move cursor to last line.
:6,24d Delete lines 6 through 24.
:.24d Delete from the current line through line 24.
:1,.d Delete from the first line through the current line.
:%d  Delete all lines. % is same as 1,$.

Copy and paste:
yy Yank (copy) the current line into the buffer.
3yy Yank 3 lines starting with the current line into the buffer.
Y   Yank from the cursor to the end of the line.
3dd The three deleted lines are placed in the buffer (cut).
p   Put (paste) the contents of the buffer just after the current line.
P   Put the contents of the buffer just before the current line.

Files:
:f   Identify the current file.
:w   Write your text document to the current file (save).
:1,.w f Write lines 1 through the current line to the new file f.
:.,.+8w f Write the current line plus the next 8 lines to the new file f.
:1,.w! f Overwrite lines 1 through the current line to the old file f.
:r   f Read file f into the text document just after the current line.

Searching:
/str  Search for the next string str after the cursor.
/    Repeat the search for the next string after the cursor.
?str Search for the next string str before the cursor.
?    Repeat the search for the next string before the cursor.
/^str Search for the string str at the beginning of a line.
/str$ Search for the string str at the end of a line.
Multiple substitutions:
:s/str1/str2/ Replace the first occurrence of str2 with str1 on the current line.
:%s/str1/str2/ Replace the first occurrence of str2 with str1 on all lines.
:s/str1/str2/g Replace all occurrences of str2 with str1 on the current line.
:%s/str1/str2/g Replace all occurrences of str2 with str1 on all lines.
:%s/^/str/ Insert string str at the beginning of all lines.
:.,.+8s/^/str/ Insert string str at the beginning of the current line plus the next 8 lines.
:.,.+8s/str$// Remove string str from the end of the current line plus the next 8 lines.

Settings:
:set autoindent Turn on autoindentation.
:set noautoindent Turn off autoindentation.
:set number Display line numbers.
:set nonumber Do not display line numbers.